SR 300 IEM G3 Wireless stereo transmitter

FEATURES

- Sturdy metal housing
- 42 MHz bandwidth: 1680 tunable UHF frequencies for interference-free reception
- Enhanced frequency bank system with up to 16 compatible frequencies
- Ethernet port for connecting to the Wireless Systems Manager (WSM) software for control via computer – this delivers a good overview of monitoring and professional data management for multi-channel systems
- Pilot tone squelch for eliminating RF interference when transmitter is turned off
- Enhanced AF frequency range
- Increased range for audio sensitivity
- Wireless synchronization of receiver parameter from transmitter
- User-friendly menu operation with more control options
- Illuminated graphic display
- Auto-Lock function avoids accidental changing of settings
- HDX compander for crystal-clear sound
- Mute function
- Integrated 5-band graphic Equalizer
- Wide range of accessories adapts the system to any requirement
- Optimized PLL synthesizer and microprocessor technology
- Stereo/mono selection
- Easy setup of a multi-channel system using the Easy Setup Sync function

You can only sound better if you hear yourself better. Wireless monitoring is taken to the next level of perfection with the Sennheiser G3 monitoring system. Added features of this stereo transmitter include the valuable integrated 5 band equalizer for extra control of the sound. New pass-through sockets for the audio signal enable the audio feed from a console to be routed to other devices in the chain, simplifying setup. The enhanced audio frequency response of 25 to 15,000 Hz means the sound the performers hear is the most realistic and life-like a wireless monitor system has ever had to offer.



TECHNICAL DATA

Frequency ranges	516 – 558, 566 – 608, 626 – 668, 734 – 776, 780 – 822, 823 – 865 MHz
Transmission frequencies	1,680 frequencies, tuneable in steps of 25 kHz 20 frequency banks, each with up to 16 factory-preset channels 6 frequency banks with up to 16 user programmable channels
Switching bandwidth	42 MHz
Frequency stability	±10 ppm (–10 °C to +55 °C)
Antenna output	BNC socket, 50 Ω
RF output power at 50 Ω	typ. 10/30 mW (Low/Standard), switchable
Modulation	wideband FM stereo (MPX pilot tone)
Compander system	Sennheiser HDX
Nominal/peak deviation	±24 kHz/±48 kHz
MPX pilot tone (frequency/deviation)	19 kHz/±5 kHz
AF frequency response	25 Hz to 15 kHz
AF input	2 x XLR-3/¼" (6.3 mm) jack combo socket, electronically balanced
Max. input level	+22 dBu
THD (at 1 kHz and nominal deviation)	< 0.9 %
Signal-to-noise ratio at nominal load and peak deviation	> 90 dB

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TECHNICAL DATA

AF output	¼″ (6.35 mm) stereo jack socket, balanced
Temperature range	−10 °C to +55 °C
Power supply	12 V
Current consumption	max. 350 mA
Dimensions	approx. 202 mm x 212 mm x 43 mm
Weight	approx. 980 g

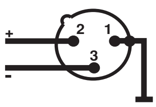
DELIVERY INCLUDES

1 SR 300 IEM G3 rack-mount transmitter
1 NT 2–3 mains unit with one country adapter
1 Rod antenna
1 GA 3 rack adapter
1 Instruction manual
1 Frequency information sheet
1 RF licensing information sheet
4 Device feet

ARCHITECT'S SPECIFICATIONS

The wireless stereo rack-mount transmitter shall be for use with a companion receiver as part of a wireless RF monitoring system. The transmitter shall operate within six UHF frequency ranges, each with a 42 MHz switching bandwidth: 516 – 558 MHz, 566 – 608 MHz, 626 – 668 MHz, 734 –776 MHz, 780 – 822 MHz, 823 – 865 MHz; transmission frequencies shall be 1,680 per range and shall be tunable in 25 kHz steps. The transmitter shall feature 20 fixed frequency banks with up to 16 compatible frequency presets and 6 user banks with up to 16 user programmable frequencies.
Frequency stability shall be +10 ppm at −10 °C to +55 °C (+14 °F to +131°F).
RF output power at 50 Ω shall be switchable between 10 mW (Low) and 30 mW (Standard).
The stereo audio input shall utilize two discrete (left/right) electronically balanced 1/4″ (6.3 mm) jack/XLR-3F combo sockets; the audio output shall utilize a balanced 1/4″ (6.3 mm) jack socket; one audio loop output shall be provided utilizing a balanced 1/4″ (6.3 mm) jack socket. A headphone output with headphone volume control shall be provided and shall utilize a 1/4″ (6.3 mm) stereo jack socket. The transmitter shall have an Ethernet port (RJ45) for remote network-based monitoring and control using the Sennheiser Wireless System Manager software. One 50 Ω BNC-type input socket shall be provided for connecting the antenna.
Nominal/peak deviation shall be ±24 kHz/±48 kHz. The transmitter shall incorporate the Sennheiser HDX compander system and shall include a 19-kHz MPX pilot tone with a ±5 kHz deviation. The audio frequency response shall range from 25 –15,000 Hz.
Maximum input level shall be +22 dBu. Total harmonic distortion (THD) at 1 mV and nominal deviation shall be < 0.9 %. Signal-to-noise ratio at nominal load and peak deviation shall be > 90 dB.
The transmitter shall be menu-driven with a backlit LC display showing the current frequency, frequency bank and channel number, metering of AF level, transmission status, transmission power, equalizer setting, input sensitivity, and lock status. An auto-lock feature shall be provided to prevent settings from being accidentally altered.
The parameters of associated receivers shall be configurable in the transmitter menu and synchronized with the receivers via an integrated infrared interface.
The transmitter shall operate on 12 V power supplied from the NT 2-3 mains unit. Power consumption shall be 350 mA.
The transmitter shall have a rugged metal housing; dimensions shall be approximately 202 x 212 x 43 mm (7.95″ x 8.35″ x 1.69″).
Weight shall be approximately 980 grams (2.16 lbs). Operating temperature shall range from −10 °C to +55 °C (+14 °F to +131°F).
The transmitter shall be the Sennheiser SR 300 IEM G3.

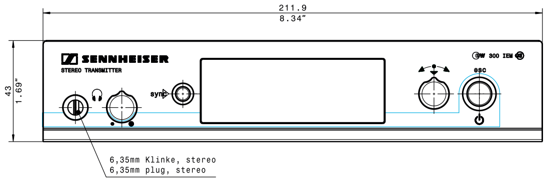
CONNECTIVITY

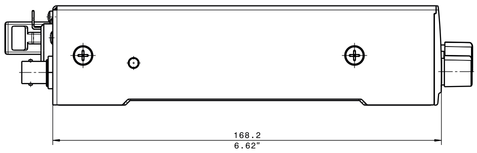


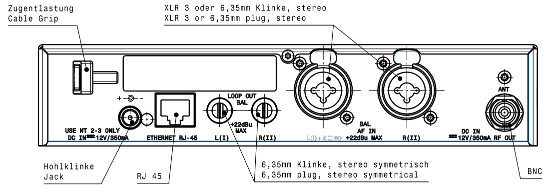


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DIMENSIONS







PRODUCT VARIANTS

SR 300 IEM G3-A-EU – 516...558 MHz / Power supply unit EU	Cat. No. 503136
SR 300 IEM G3-A-US – 516...558 MHz / Power supply unit US	Cat. No. 503638
SR 300 IEM G3-G-EU – 566...608 MHz / Power supply unit EU	Cat. No. 503639
SR 300 IEM G3-G-US – 566...608 MHz / Power supply unit US	Cat. No. 503640
SR 300 IEM G3-B-EU – 626...668 MHz / Power supply unit EU	Cat. No. 503641
SR 300 IEM G3-B-US – 626...668 MHz / Power supply unit US	Cat. No. 503642
SR 300 IEM G3-C-EU – 734...776 MHz / Power supply unit EU	Cat. No. 503643
SR 300 IEM G3-C-US – 734...776 MHz / Power supply unit US	Cat. No. 503644
SR 300 IEM G3-D-EU – 780...822 MHz / Power supply unit EU	Cat. No. 503645
SR 300 IEM G3-D-EU-X – 780...822 MHz / Power supply unit EU / Germany	Cat. No. 503646
SR 300 IEM G3-D-UK – 780...822 MHz / Power supply unit UK	Cat. No. 503647
SR 300 IEM G3-E-EU – 823...865 MHz / Power supply unit EU	Cat. No. 503648
SR 300 IEM G3-E-EU-X – 823...865 MHz / Power supply unit EU / Germany	Cat. No. 503649
SR 300 IEM G3-E-UK – 823...865 MHz / Power supply unit UK	Cat. No. 503650

RECOMMENDED ACCESSORIES

Stacking elements, 1 pair	Cat. No. 532711
GA 3 – rack adapter	Cat. No. 503167
AM 2 – antenna front mount kit (for GA 3 rack adapter)	Cat. No. 009912
NT 2-3 EU – Mains unit for powering the SR 300 IEM G3; EU version	Cat. No. 503157
NT 2-3 US – Mains unit for powering the SR 300 IEM G3; US version	Cat. No. 503870
NT 2-3 UK – Mains unit for powering the SR 300 IEM G3; UK version	Cat. No. 503871
NT 3-1 EU – Table top power supply for powering the AC 3 and four transmitters; EU version	Cat. No. 503159
NT 3-1 US – Table top power supply for powering the AC 3 and four transmitters; US version	Cat. No. 503876
NT 3-1 UK – Table top power supply for powering the AC 3 and four transmitters; UK version	Cat. No. 503877
AC 3 – antenna combiner	Cat. No. 503166
A 5000 CP – circularly polarized broadband antenna	Cat. No. 528212
A 2003 – directional broadband antenna	Cat. No. 003658
A 1031 – omni-directional broadband antenna	Cat. No. 004645
Antenna daisy-chain cable, 50 Ω, BNC, 0.25 m	Cat. No. 087969
GZL 1019-A1 – coaxial cable, type RG 58, BNC to BNC, 1 m	Cat. No. 002324

Contact your local Service Partner:

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